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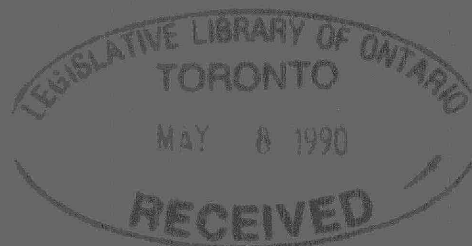
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of the  
Environment

✓  
Water Resources  
Bulletin  
Surface water series

Hon. Harry C. Parrott, D.D.S., *Minister*  
Graham W.S. Scott, Q.C., *Deputy Minister*



# ATLAS OF STREAMFLOW STATIONS IN ONTARIO 1980





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WATER RESOURCES  
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*Surface water series*

**ATLAS  
OF STREAMFLOW STATIONS  
IN ONTARIO  
1980**

MINISTRY OF THE ENVIRONMENT

Water Resources Branch

TORONTO

ONTARIO

1980



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Water Resources Branch  
Ontario Ministry of the Environment  
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## INTRODUCTION

This publication presents a series of maps showing the location of active stations, as of January 1980, of the Canada/Ontario Cost-Share Agreement, Hydrometric Network for Ontario.

This publication is intended to serve as a current guide for identifying the locations of streamflow stations at a detailed scale which corresponds to that used in delineating some of the other data collection programs of the Ministry.

The locations of streamflow stations in Ontario not provided for under the Canada/Ontario Hydrometric Network, including the periodic measurement stations of this Ministry, are not included on these maps.

Two maps showing the locations of active and discontinued stations in Ontario, at a scale of one inch equals 32 miles, are also available from the Hydrometric Map Supplement to the 1977 Surface Water Reference Index for Canada produced by the Inland Waters Directorate, Water Resources Branch, Canada Department of the Environment. The Hydrometric Map Supplements are produced at approximately 5-year intervals.

## THE STREAMFLOW STATION NETWORK IN ONTARIO

Since April of 1975, the collection of hydrometric data in Ontario has been carried out under a Memorandum of Agreement between the Government of Canada and the Province of Ontario. Prior to this, data collection had gone on under various informal Federal/Ontario arrangements. The formal Agreement calls for "... securing co-ordinated and standardized basic data to facilitate resource planning and management in general, and the design and implementation of projects related to navigation, flood control, recreation, domestic and industrial water supply and other purposes."



The Agreement calls for the classification of all hydrometric stations as of Federal, Federal/Provincial, or Provincial interest, with annual operating costs assigned to the user. It also established a Co-ordinating Committee to administer the Agreement. The Province of Ontario is represented in the Agreement by the Ministry of the Environment, the Ministry of Natural Resources and Ontario Hydro. These agencies meet at regular intervals with the Water Survey of Canada to administer the Agreement.

The stations in the network provide data for day-to-day decisions on such matters as waste assimilation studies and water-supply availability, and for comprehensive water resources inventory purposes. Planning of this Ministry's participation in the network is the responsibility of the Hydrology and Monitoring Section of the Water Resources Branch in consultation with the Technical Support Sections of the Regional Operations and Laboratories Division. Co-operative annual reviews ensure that the program provides, in an efficient manner, the data necessary to fulfill Ministry needs. While most of the stations in the network are operated by the Water Survey of Canada, some stations of specific interest to the Ministry are operated by the Technical Support Sections of the Ministry's Regions and data are contributed by the Ministry to the Water Survey of Canada, under the Agreement.

#### PREPARATION OF NETWORK MAP SHEETS

The Ontario Ministry of the Environment operates on the basis of a decentralized structure, with Ministry offices in six regions across Ontario. These Regions and the location of the Regional offices are as follows:

<u>Region</u>	<u>Office</u>
. Southwestern	London
. West-Central	Stoney Creek
. Central	Don Mills
. Southeastern	Kingston
. Northeastern	Sudbury
. Northwestern	Thunder Bay



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The network maps presented herein have been drawn to conform approximately to the boundaries of the Ministry's Regions and are grouped according to Region. Two index maps (pages 5 and 6) illustrate individual map sheet coverages within the Province.

The following procedure was used in the preparation of the maps. Individual base maps within a Region were assembled using the 1:250,000 National Topographic Series maps. In northern Ontario, this was reduced to a scale of 1:500,000 in the Lake Superior and Nelson River basins, and to a scale of 1:2,000,000 in the Hudson Bay basin. For each base map, an overlay was prepared of the river systems and the major watershed boundaries. The active hydrometric stations were then located on the overlays and referenced with station numbers. These overlays were subsequently reduced to approximately 40% of their original size for this publication.

#### PUBLICATION OF DATA FOR THE HYDROMETRIC NETWORK

Publication of data for the Hydrometric Network is the responsibility of the Water Survey of Canada under the terms of the Memorandum of Agreement. Following, are some of the data publications produced by the Water Survey of Canada, which provide further information for the Hydrometric Network:

1. Surface Water Reference Index - Canada

This inventory is published annually and contains descriptive information for all gauging stations operated during the history of the Water Survey of Canada.

Hydrometric Map Supplement 1977

Coloured maps showing the location of both active and discontinued stations were included as a supplement to the 1977 Surface Water Reference Index.

2. Surface Water Data - Ontario

This data bulletin is published annually and contains daily streamflow and water level data with monthly summaries.



### 3. Historical Streamflow Summary - Ontario

This data bulletin is published at three year intervals and contains a summary of monthly and annual mean discharges, and annual extremes and total discharges for the period of record for all stations.

Requests for these publications may be made to:

Regional Chief  
Water Survey of Canada  
Water Resources Branch  
Department of Environment  
75 Farquhar Street  
GUELPH, Ontario  
N1H 3N4  
(519) 821-0101

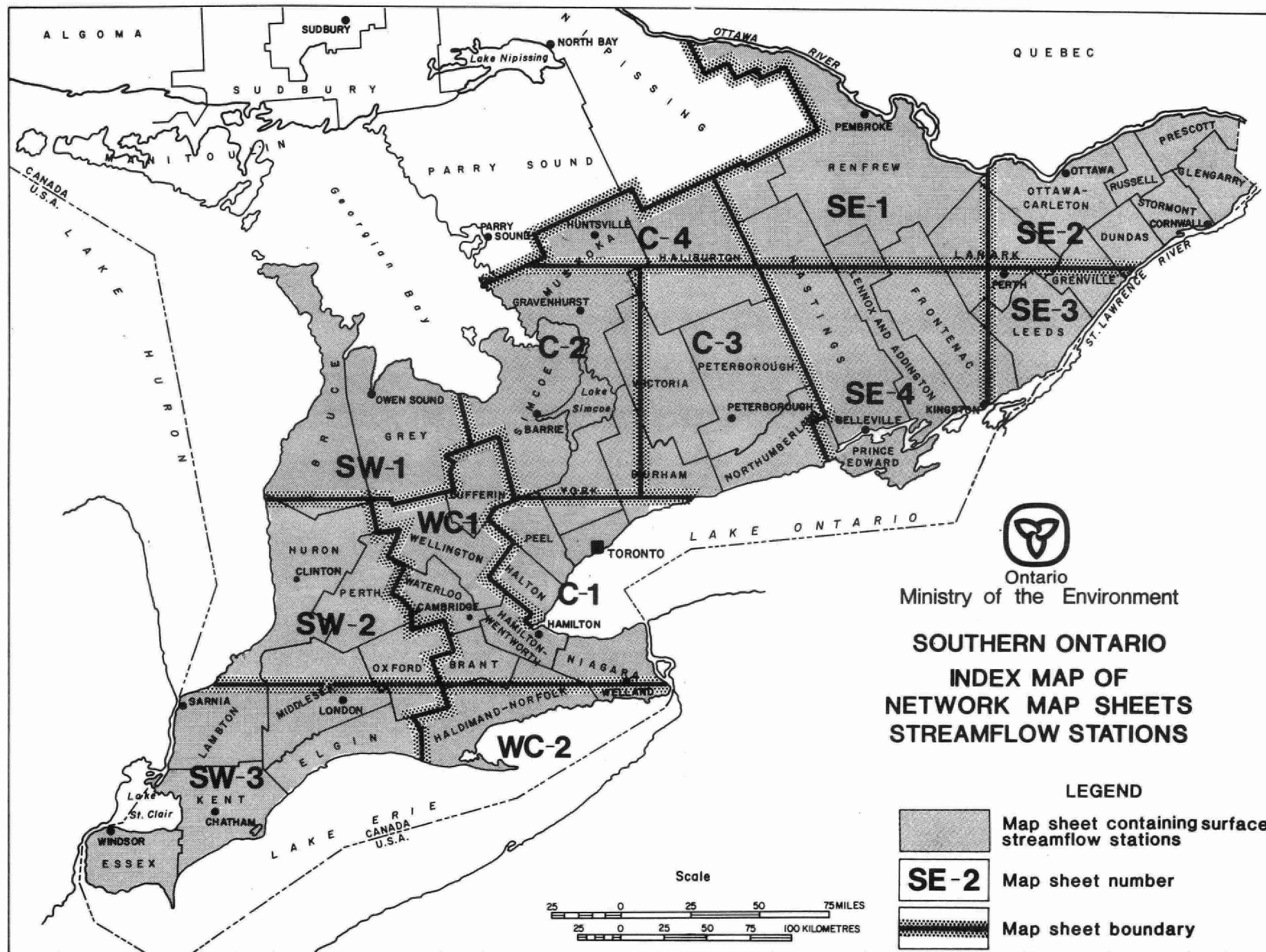
#### PUBLICATION OF OTHER STREAMFLOW DATA

Data for periodic streamflow measurement stations operated by the Ontario Ministry of the Environment are not included in the above data publications. Such data are published annually by the Ministry in the publication Water Resources Bulletin, Surface Water Series, Selected Streamflow Data for Ontario.

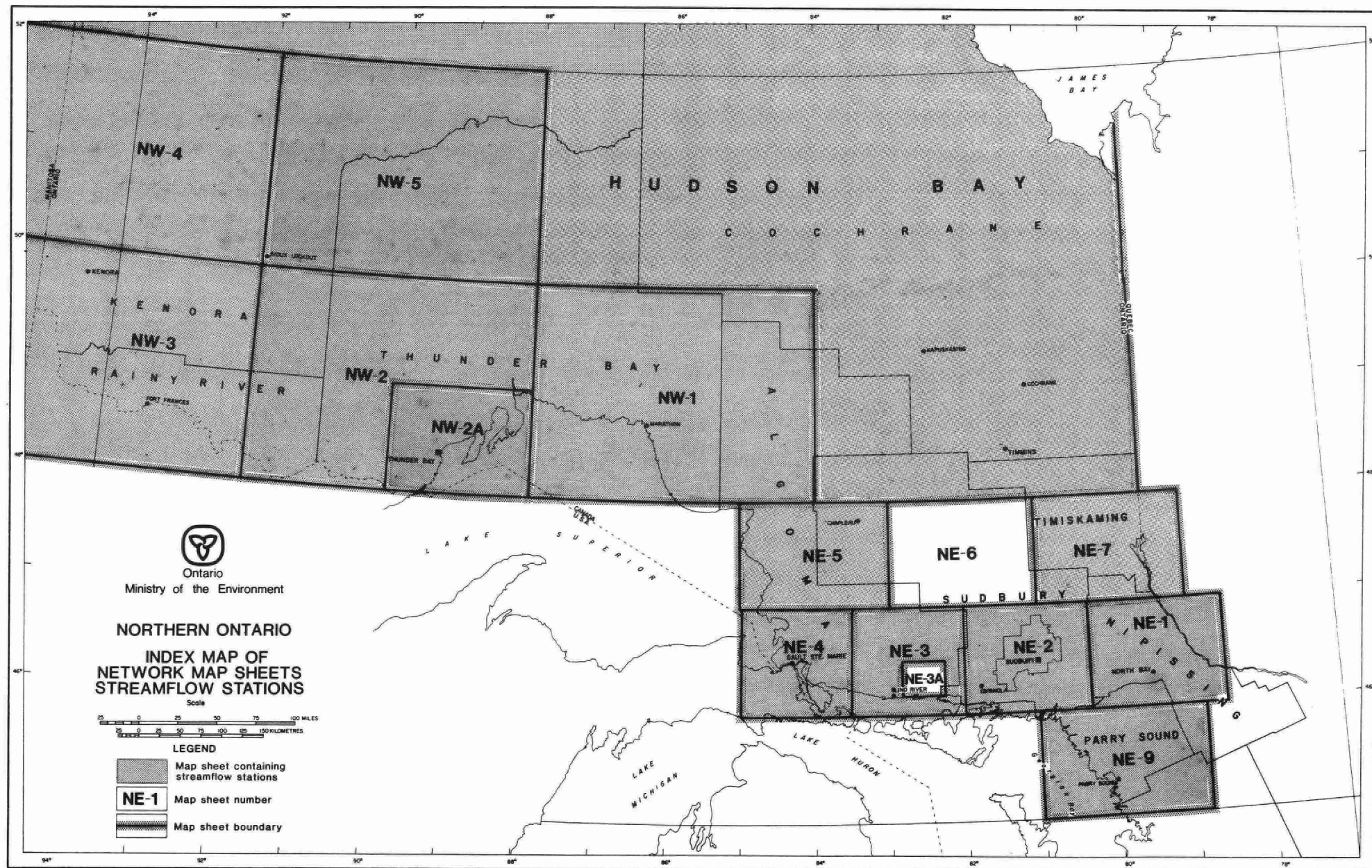
#### ACKNOWLEDGEMENT

This atlas was prepared by the Hydrology and Monitoring Section. The extensive cartographic effort on the part of T. Smith is gratefully acknowledged.













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MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

STREAMFLOW STATION NETWORK

MAP SW-1  
Southwestern Region



LEGEND

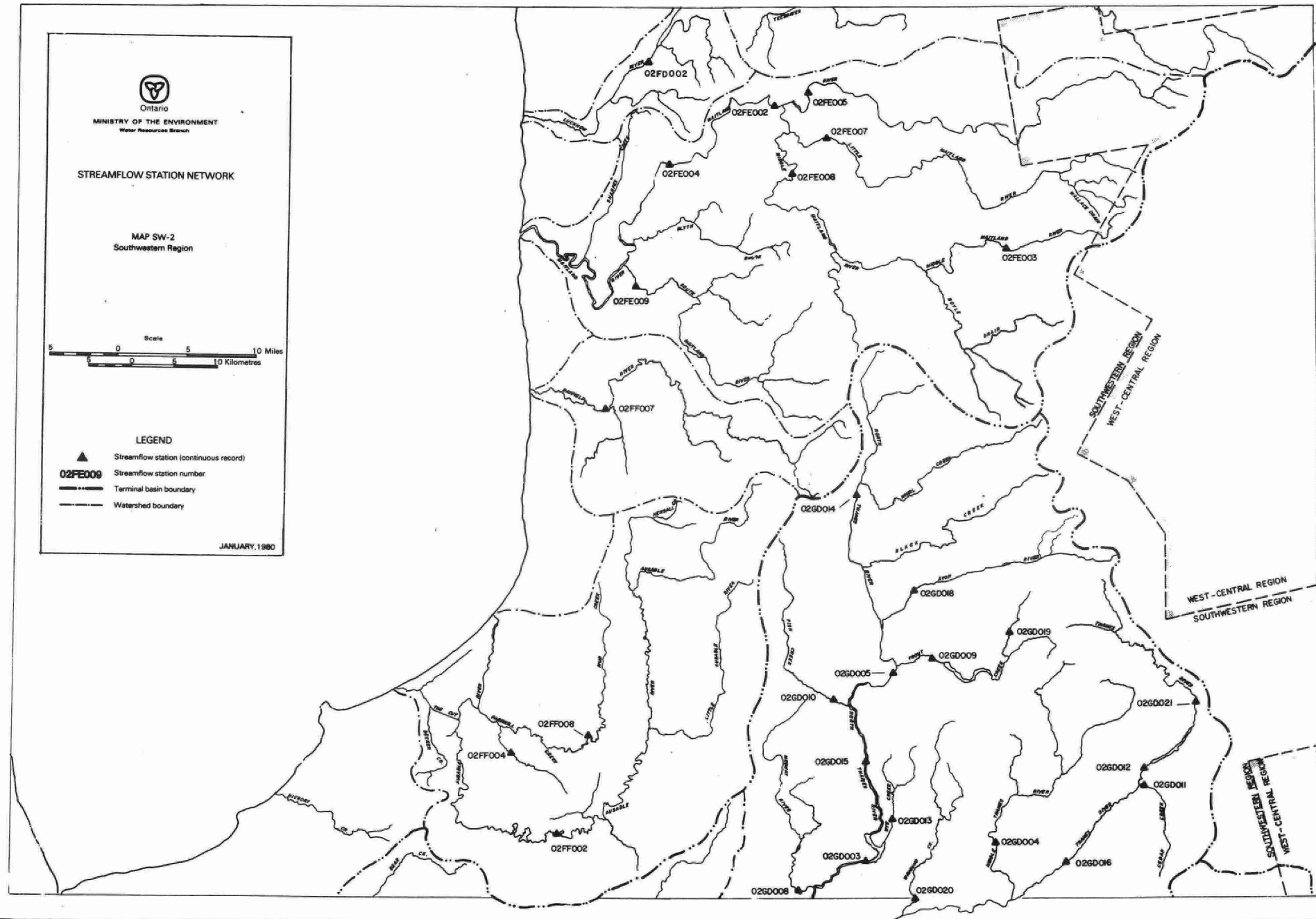
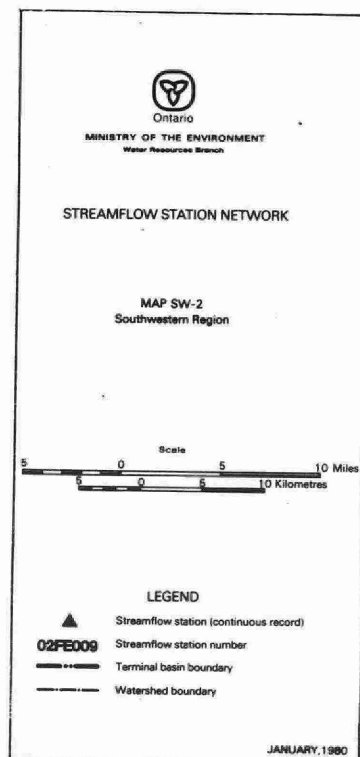
- ▲ Streamflow station (continuous record)
- 02FA001 Streamflow station number
- Terminal basin boundary
- Watershed boundary

SEE INSERT "A"

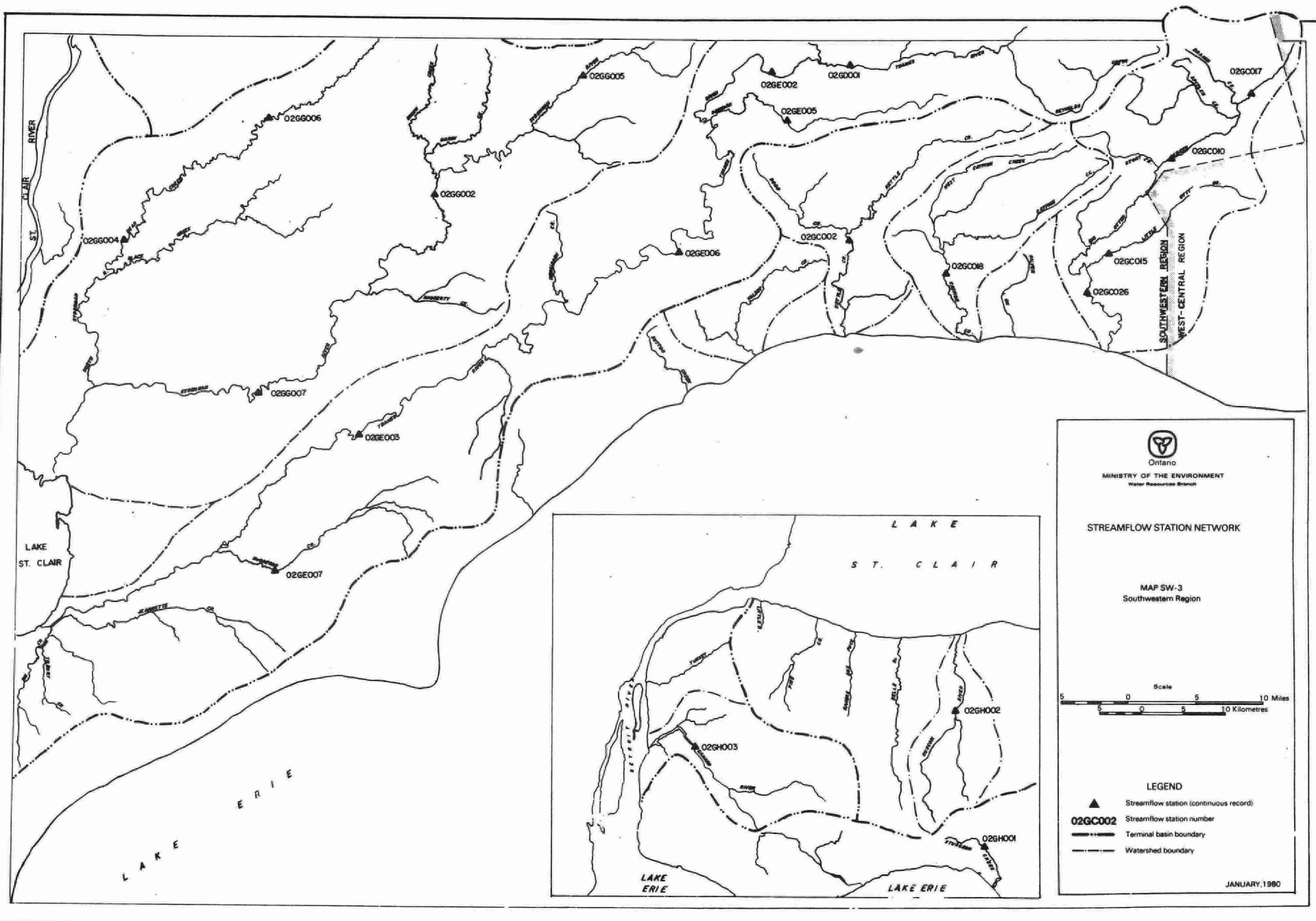
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SOUTHWESTERN REGION  
CENTRAL REGION  
WEST-CENTRAL REGION

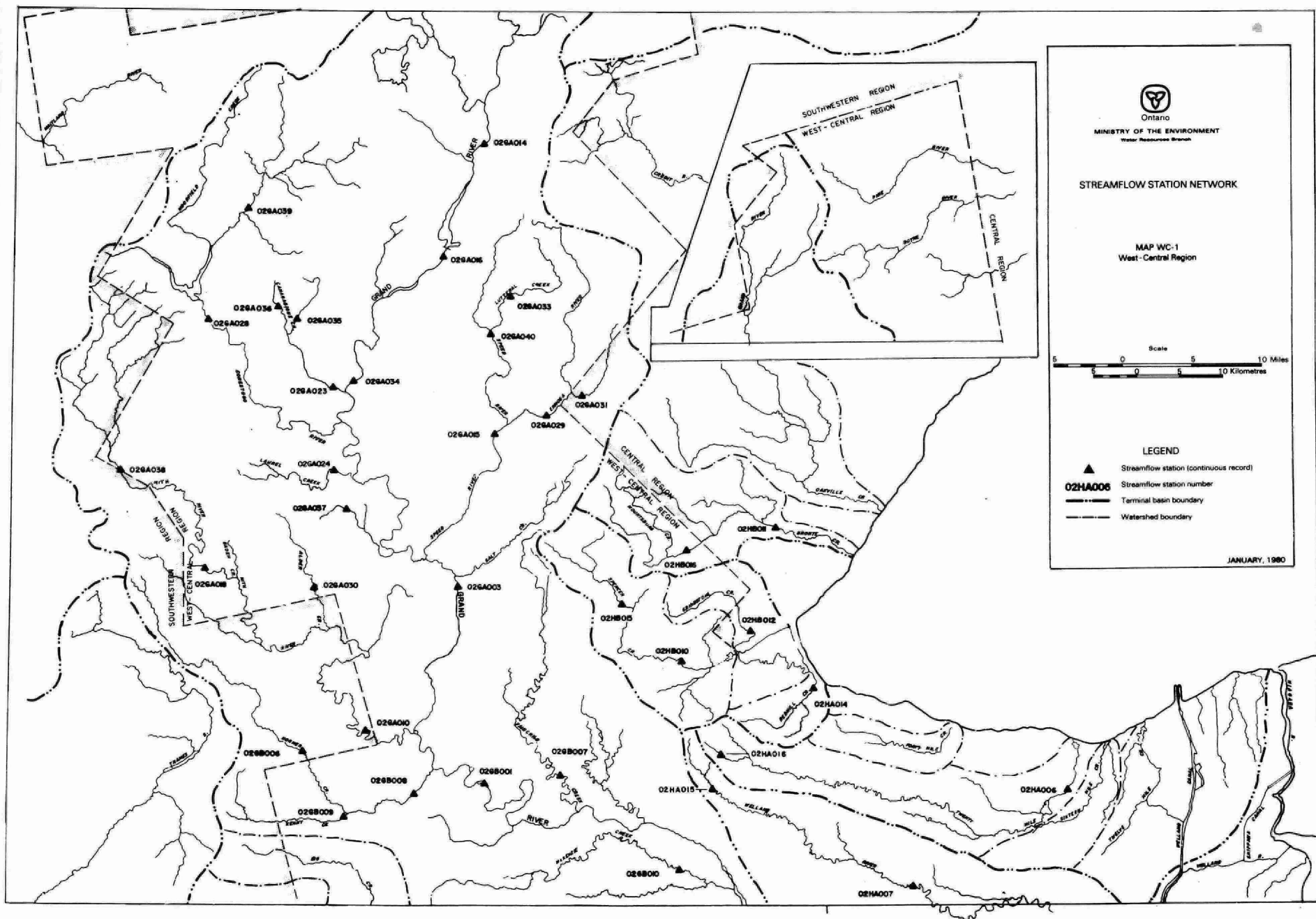




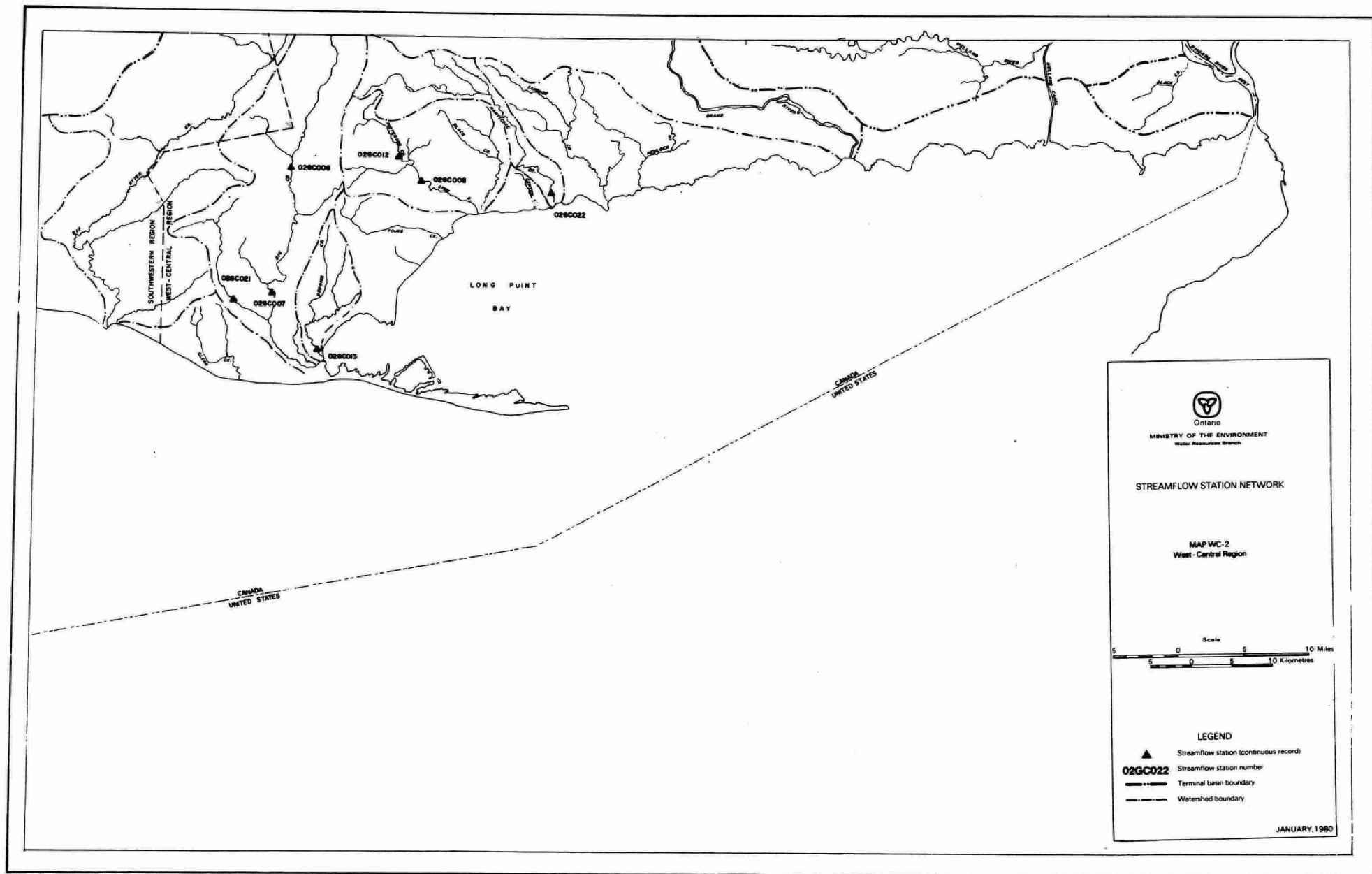




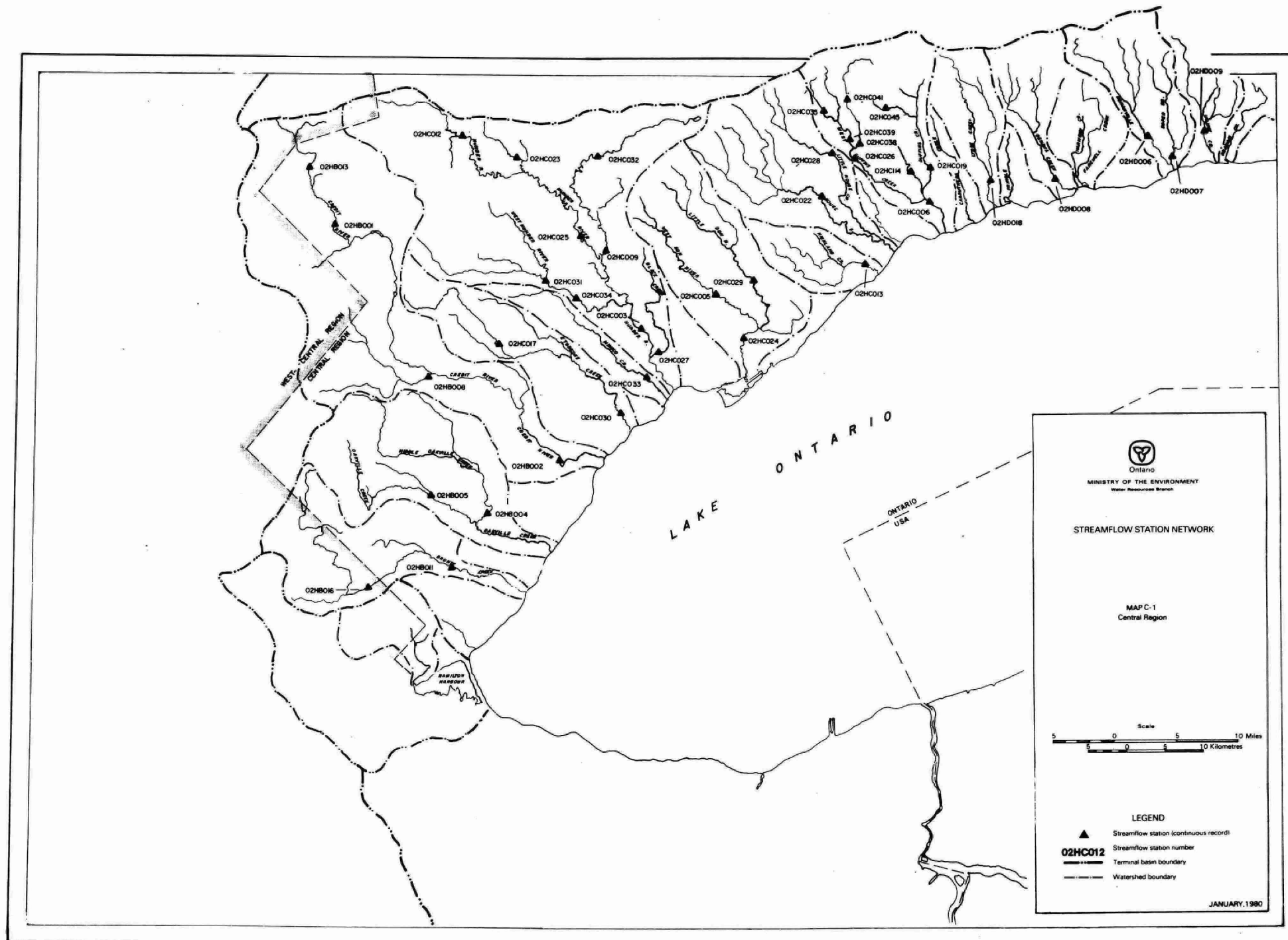




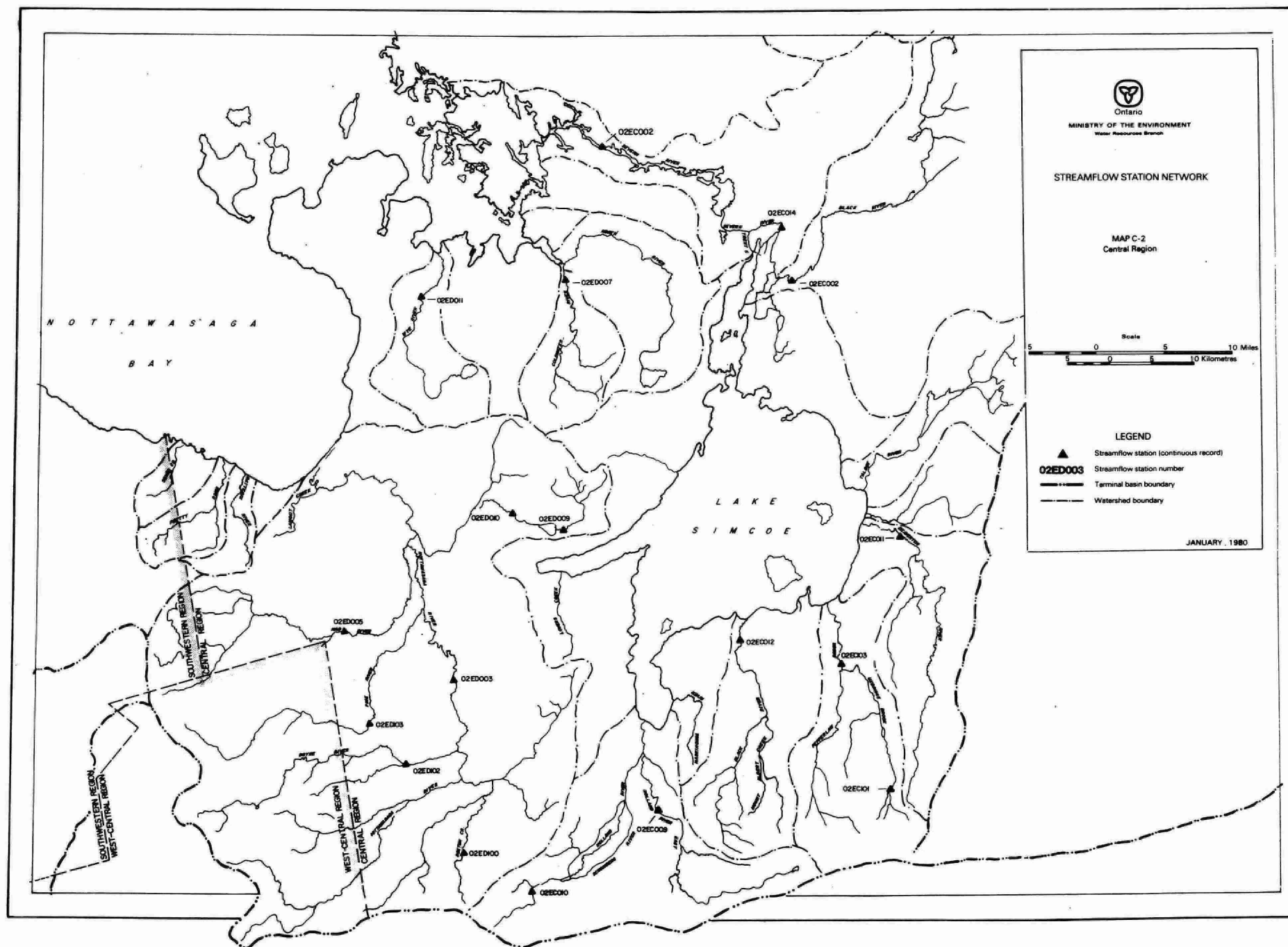




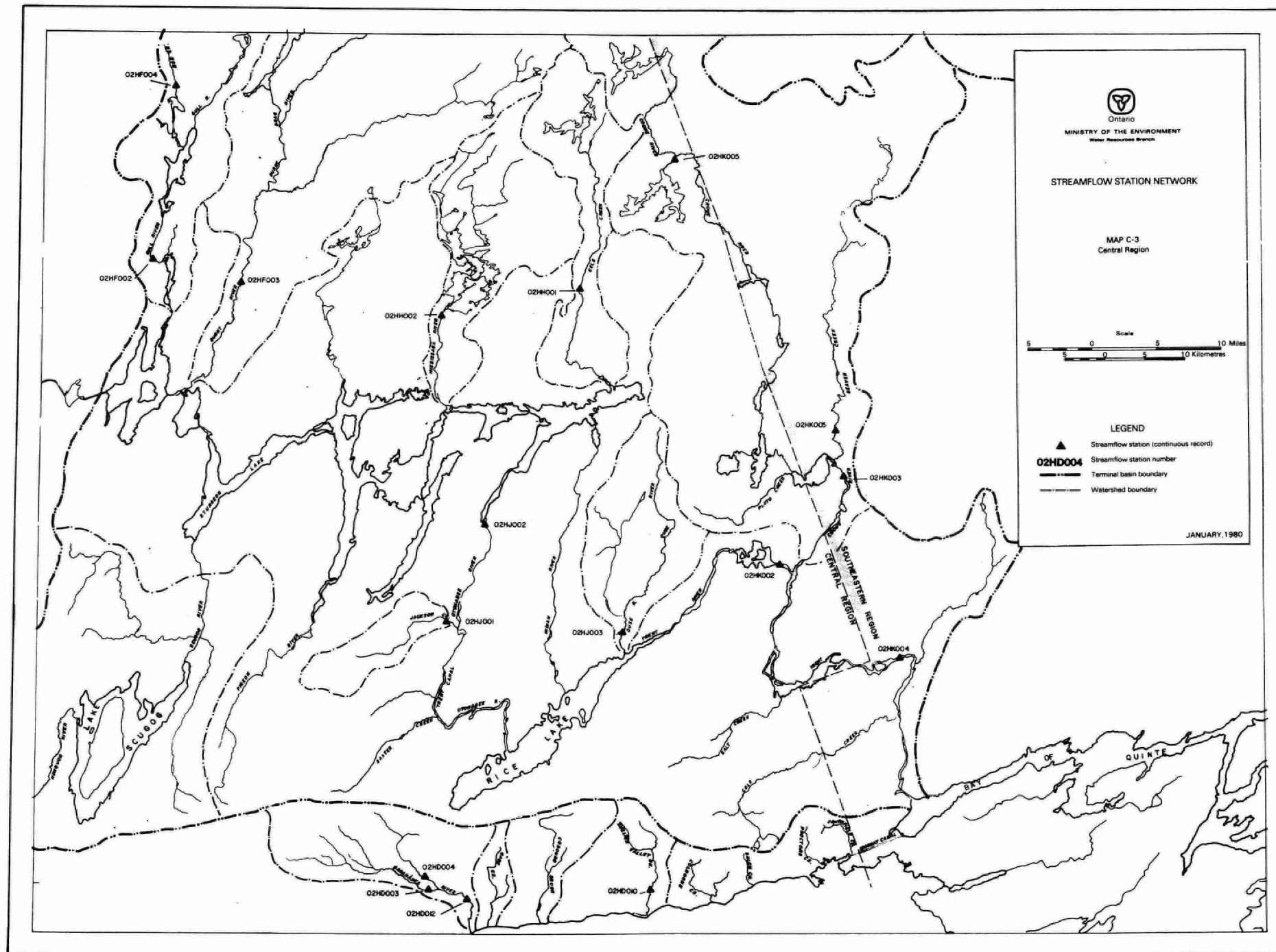
















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# STREAMFLOW STATION NETWORK

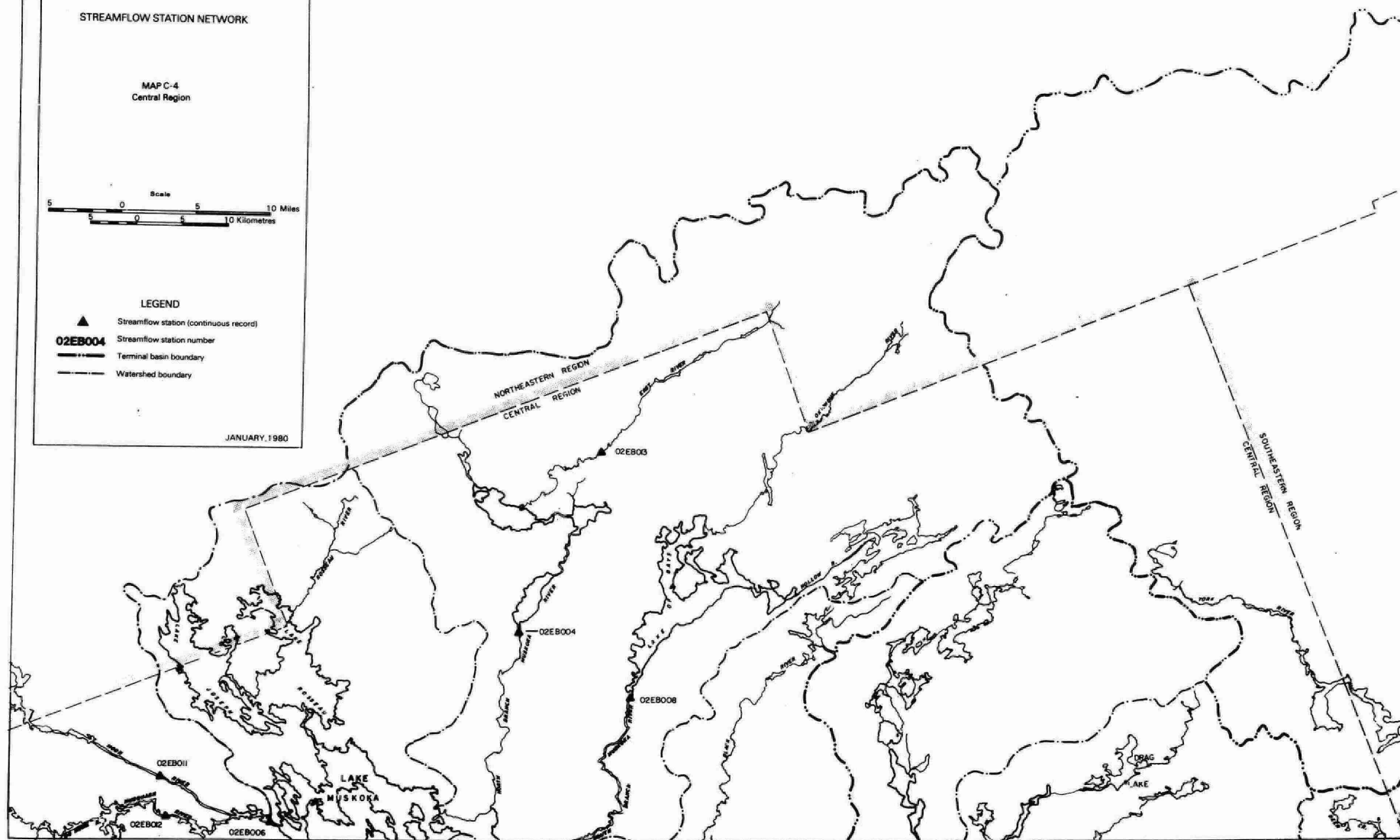
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Central Region



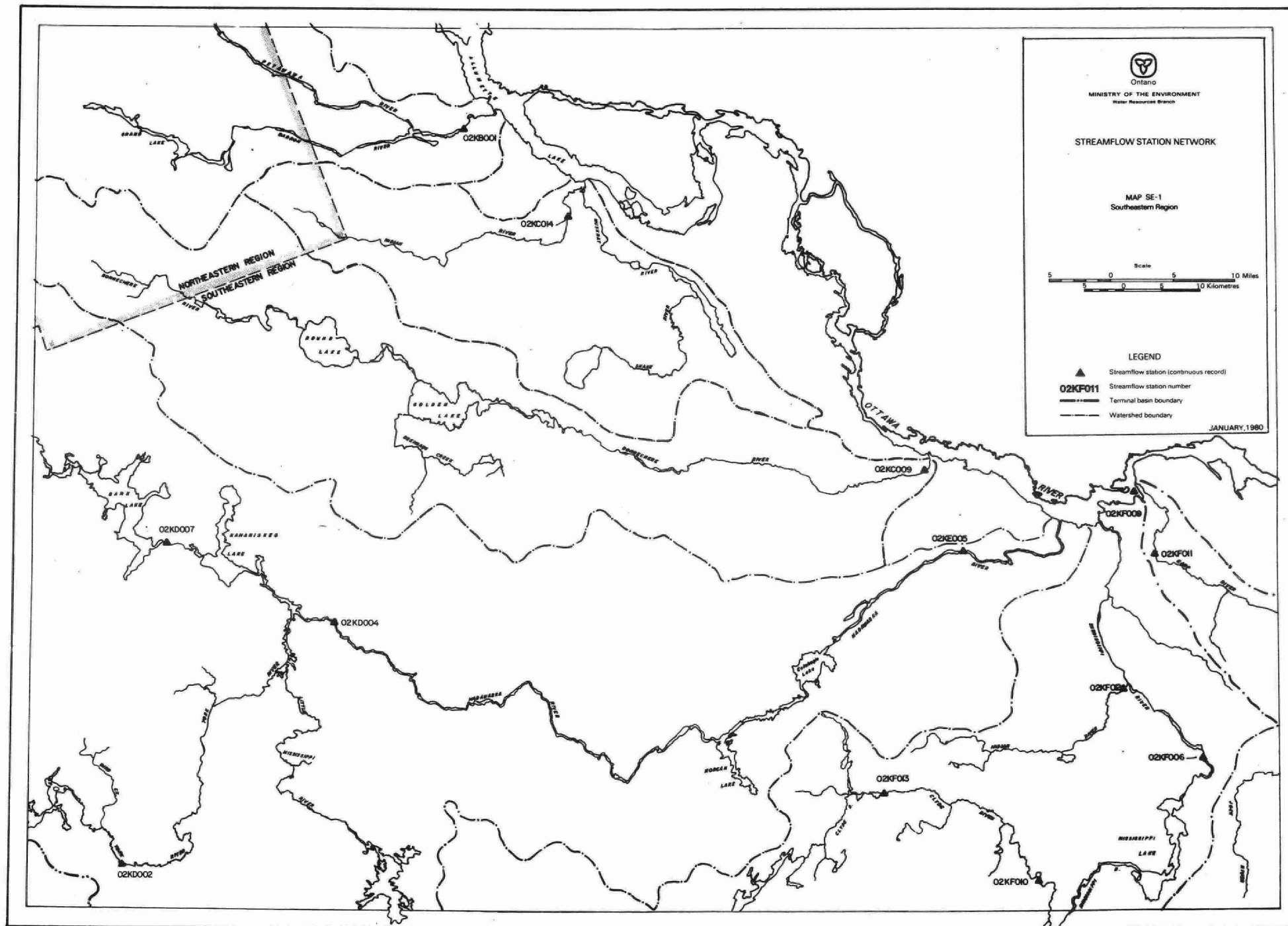
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- ▲ Streamflow station (continuous record)
- 02EB004 Streamflow station number
- Terminal basin boundary
- Watershed boundary

JANUARY, 1980











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MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

# STREAMFLOW STATION NETWORK

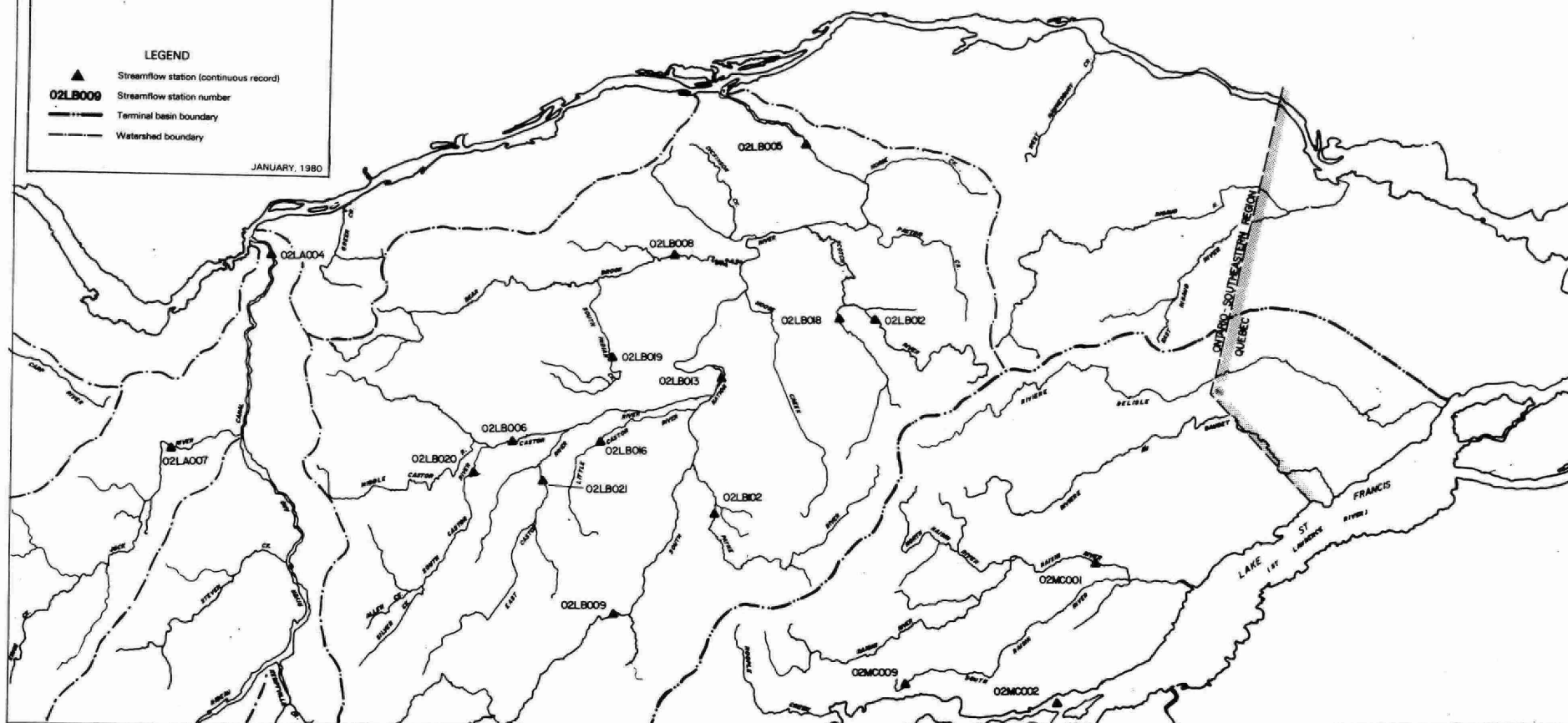
MAP SE-2  
Southeastern Region



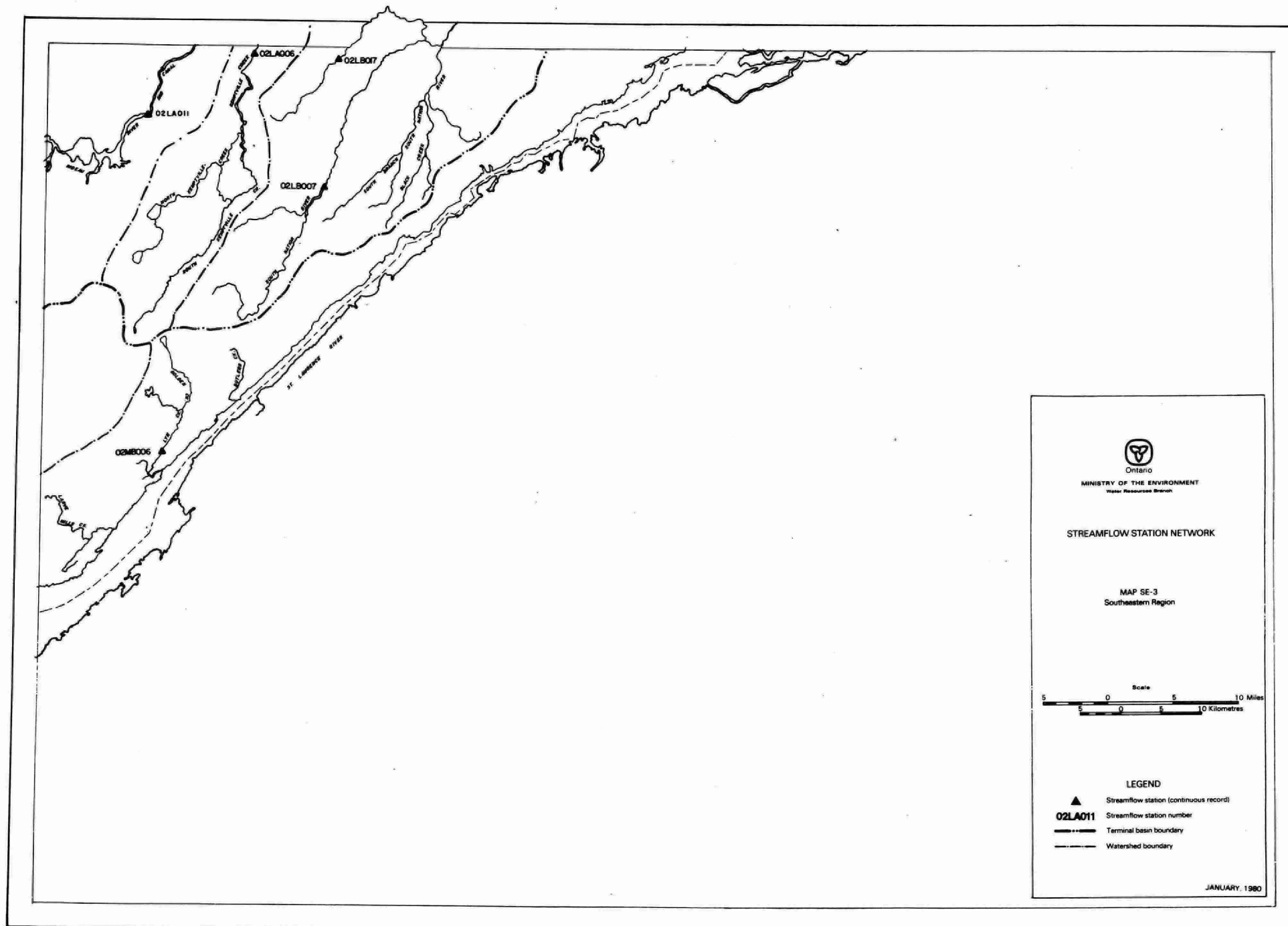
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- 02LB009 Streamflow station number
- Terminal basin boundary
- Watershed boundary

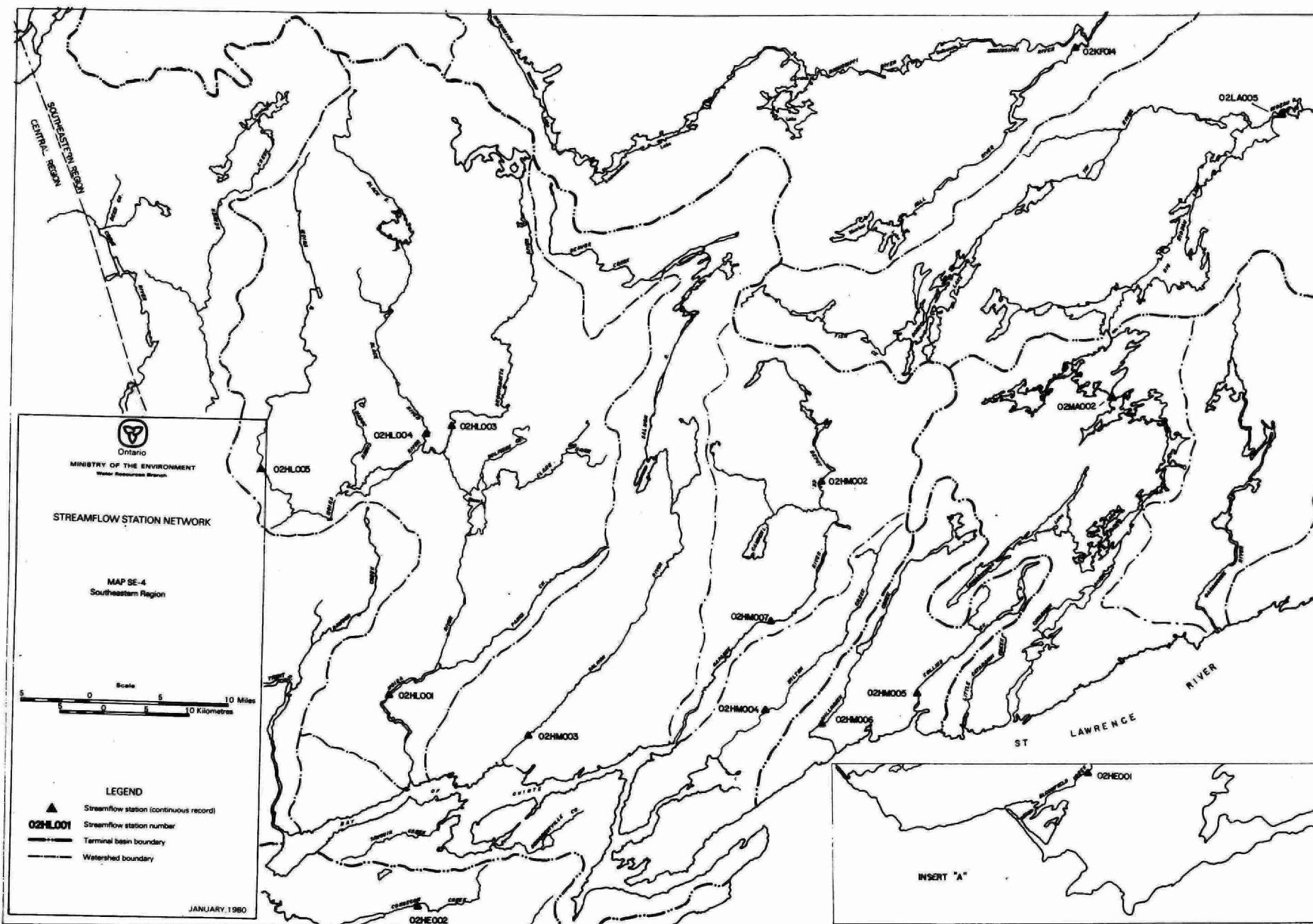
JANUARY, 1980





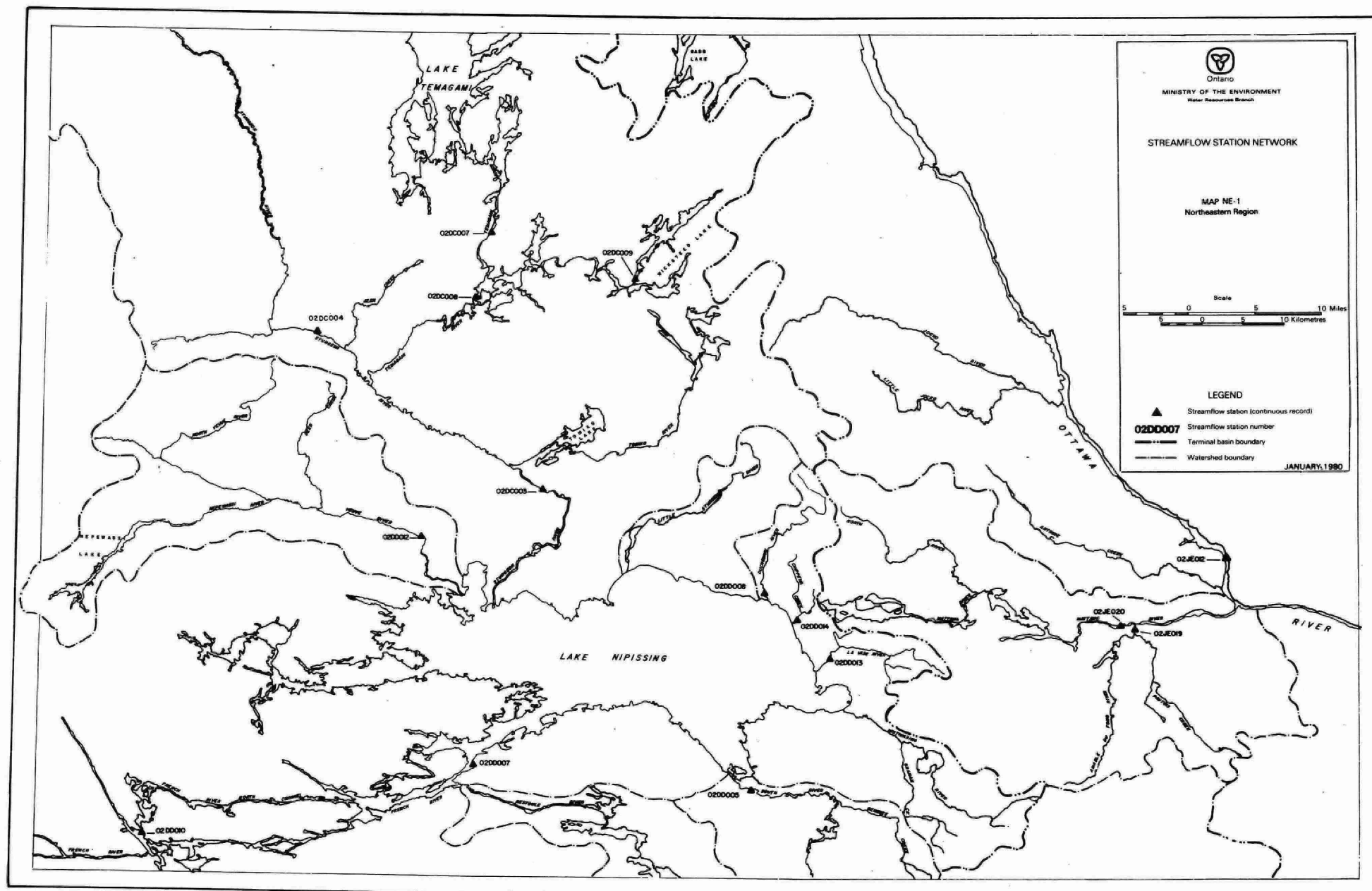




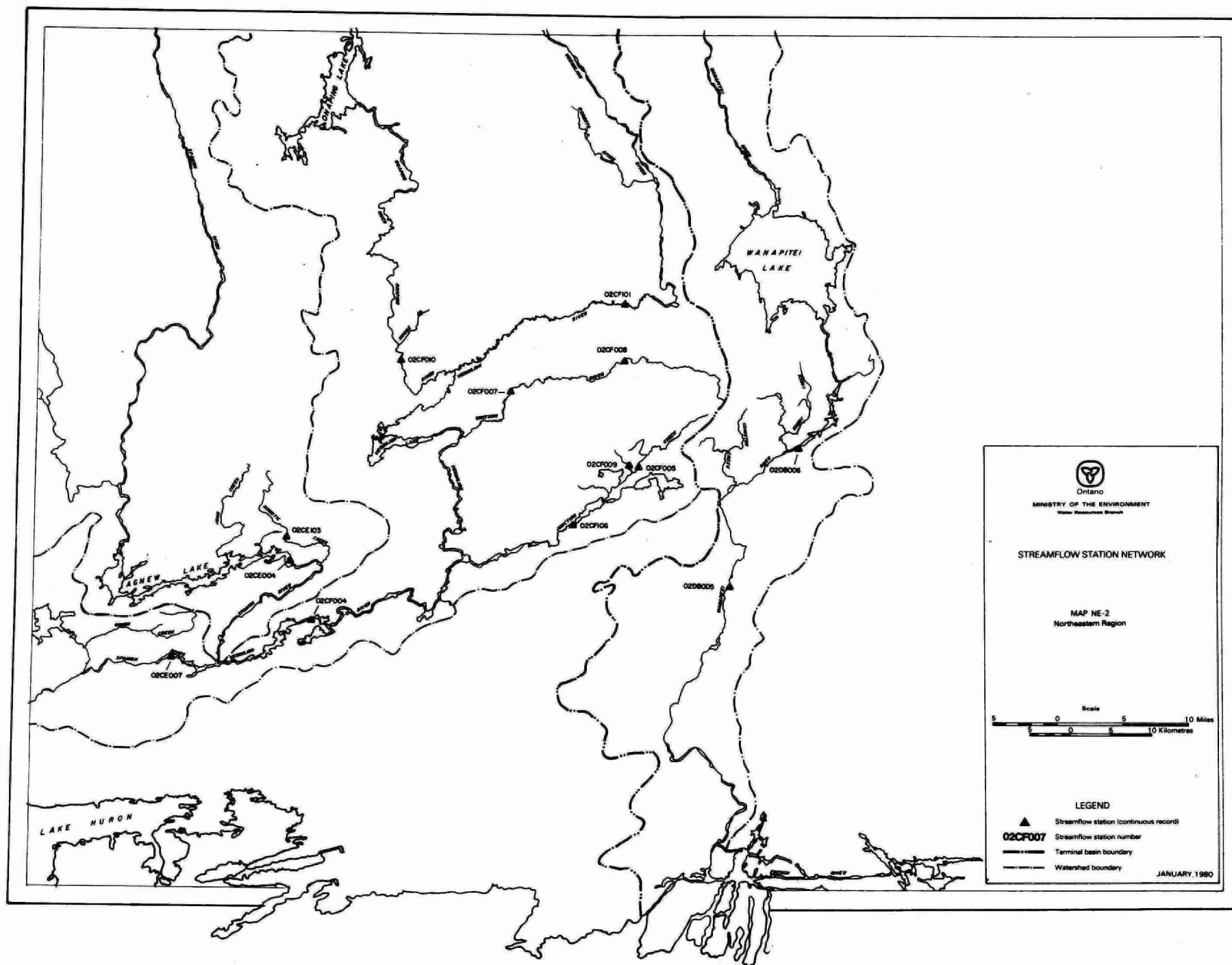


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# STREAMFLOW STATION NETWORK

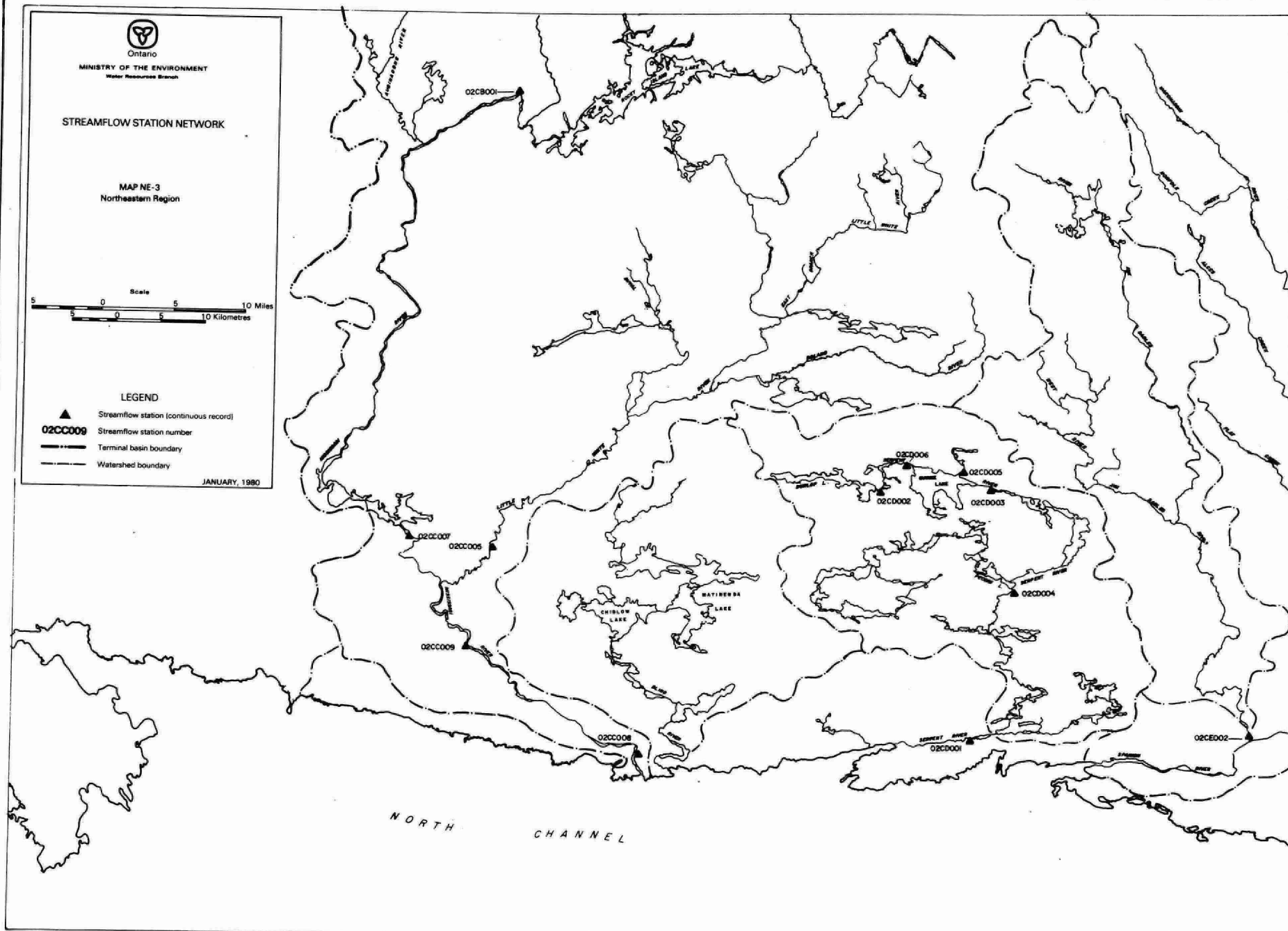
MAP NE-3  
Northeastern Region



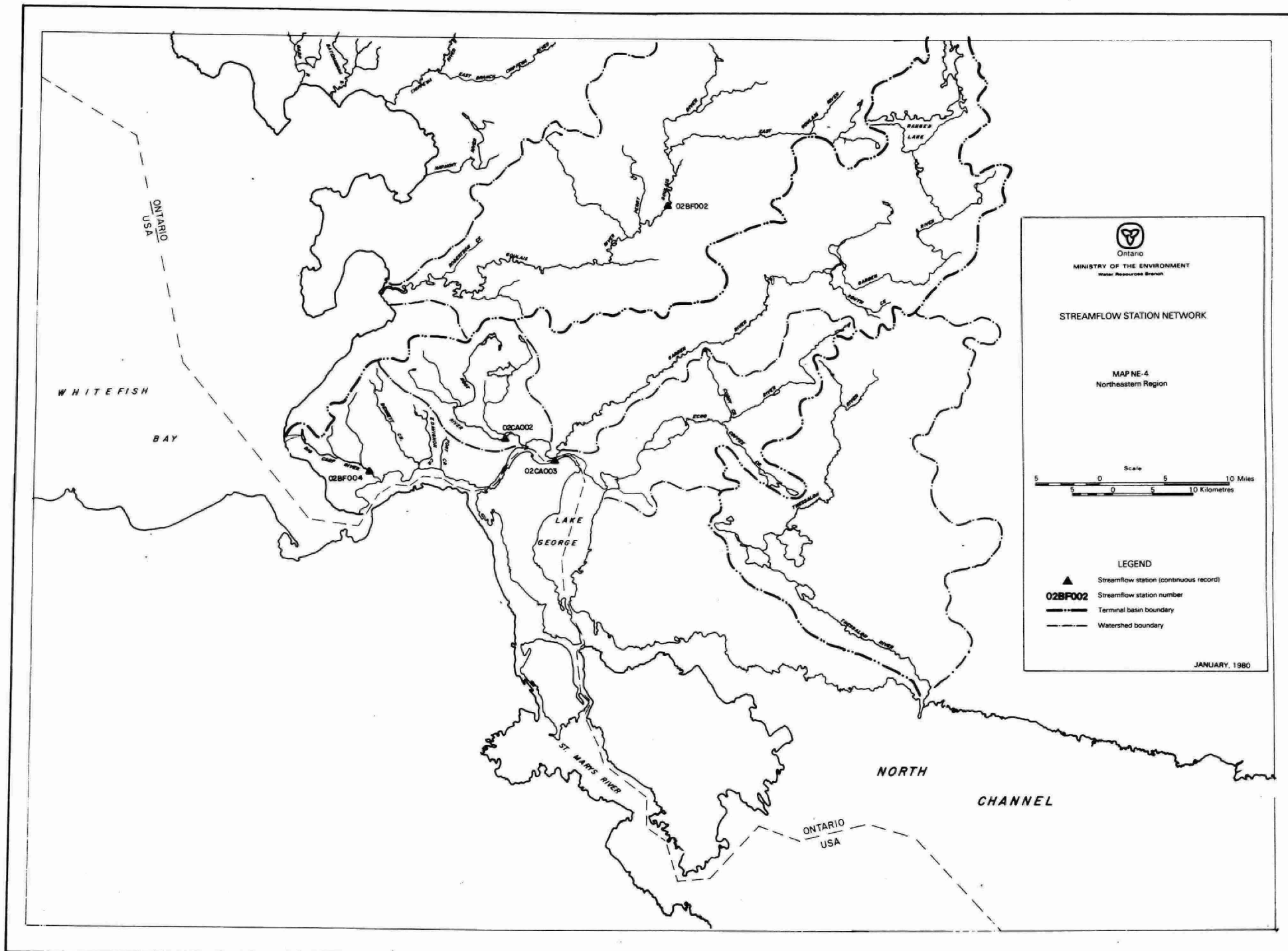
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- ▲ Streamflow station (continuous record)
- 02CC009 Streamflow station number
- Terminal basin boundary
- Watershed boundary

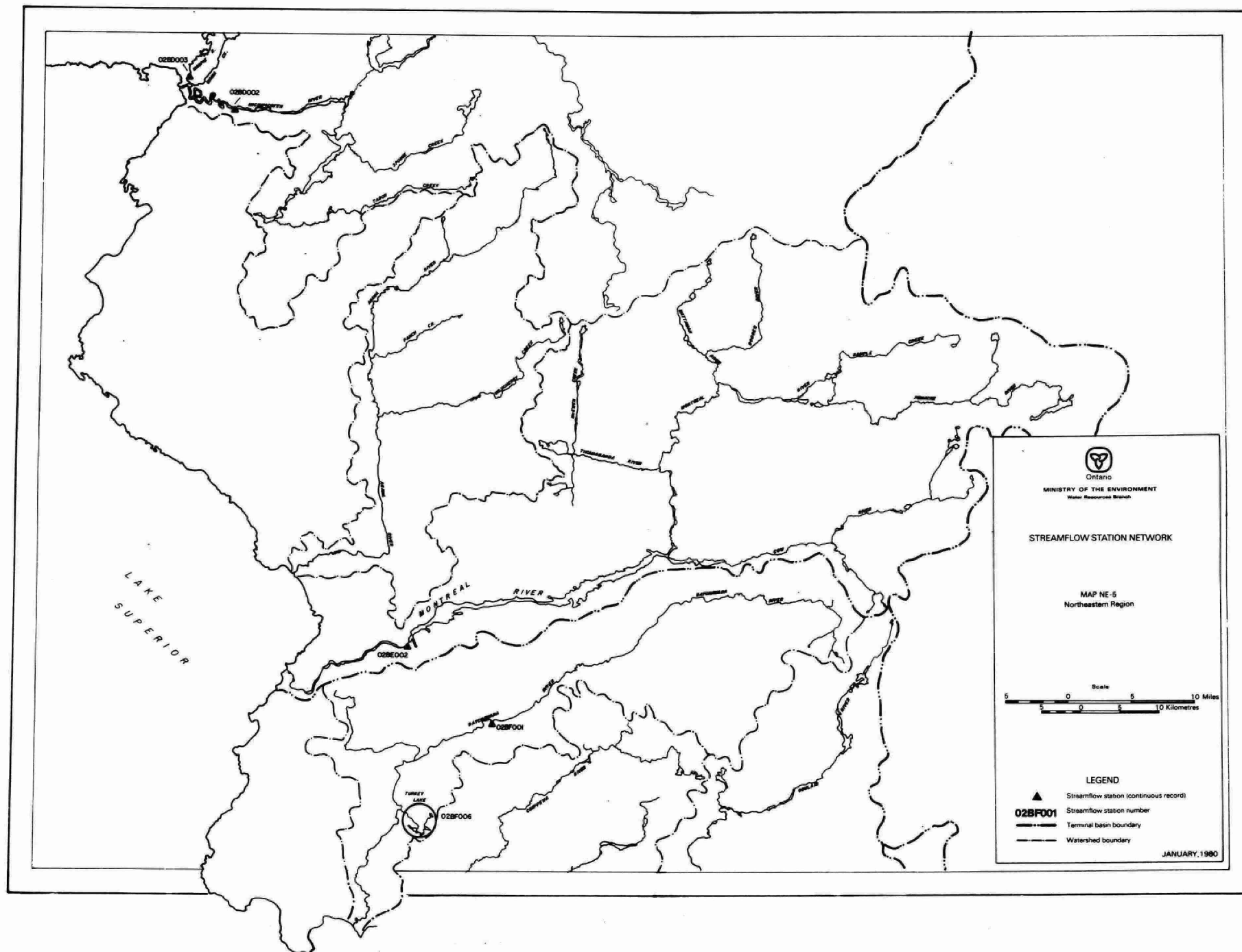
JANUARY, 1980



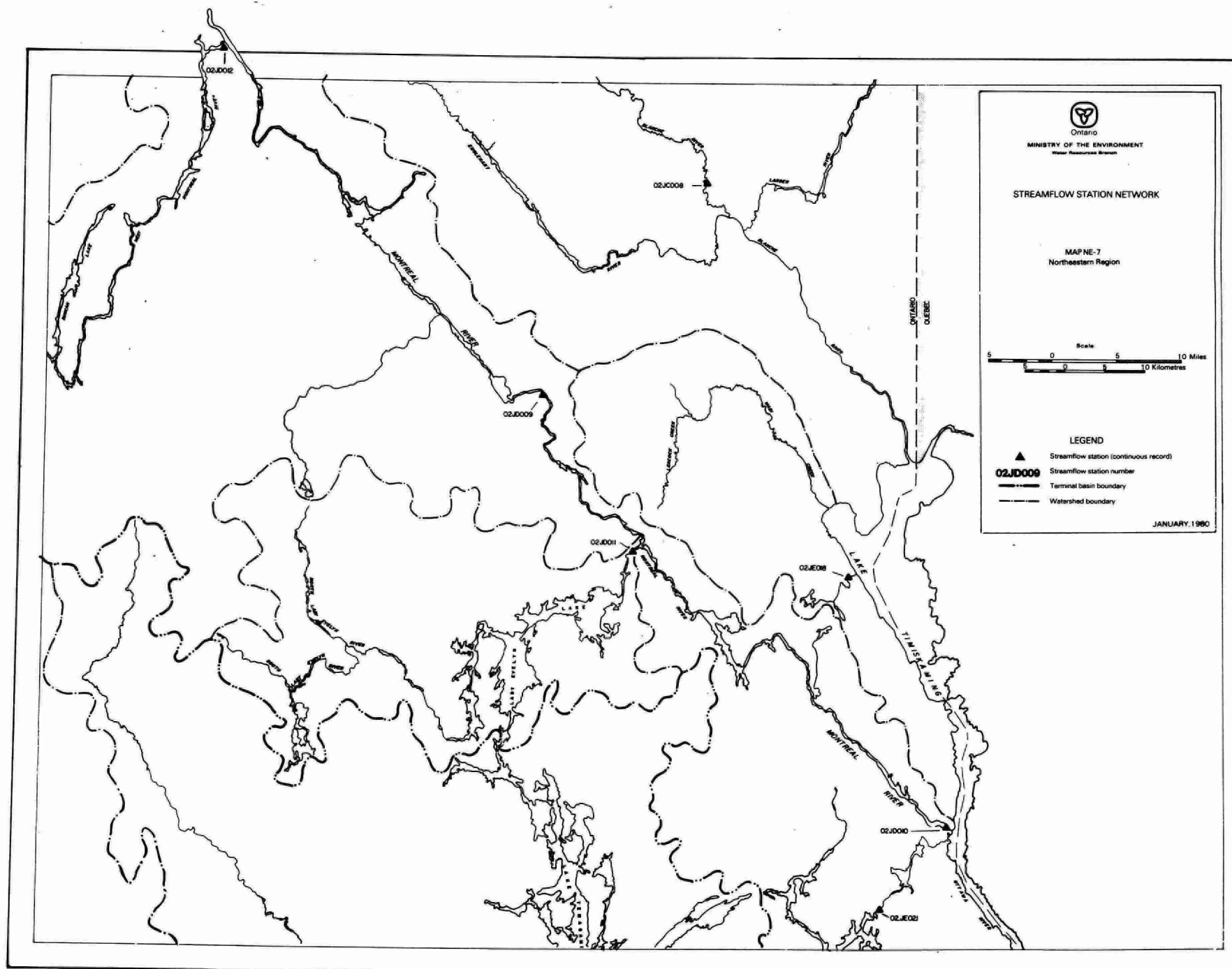




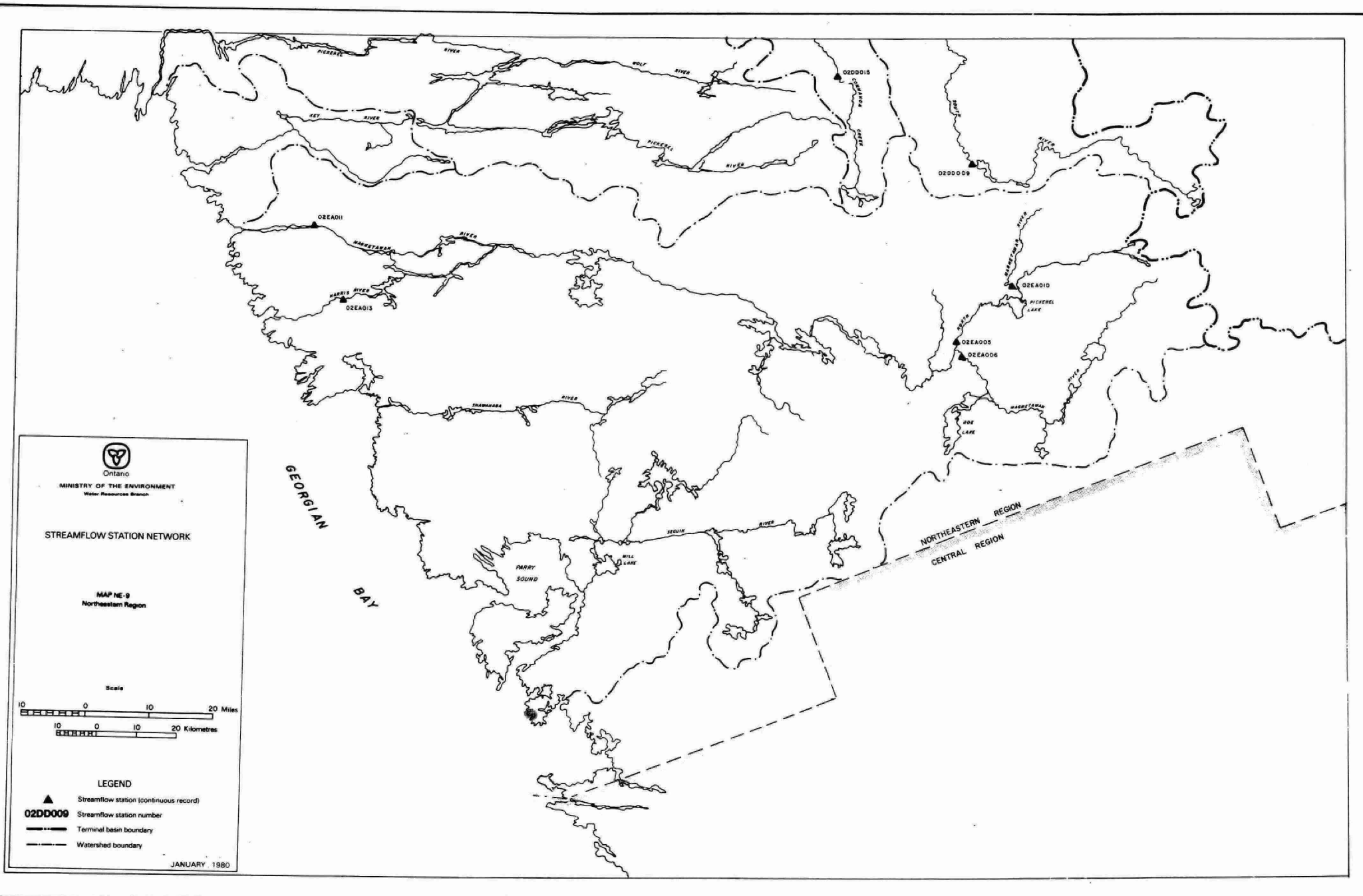




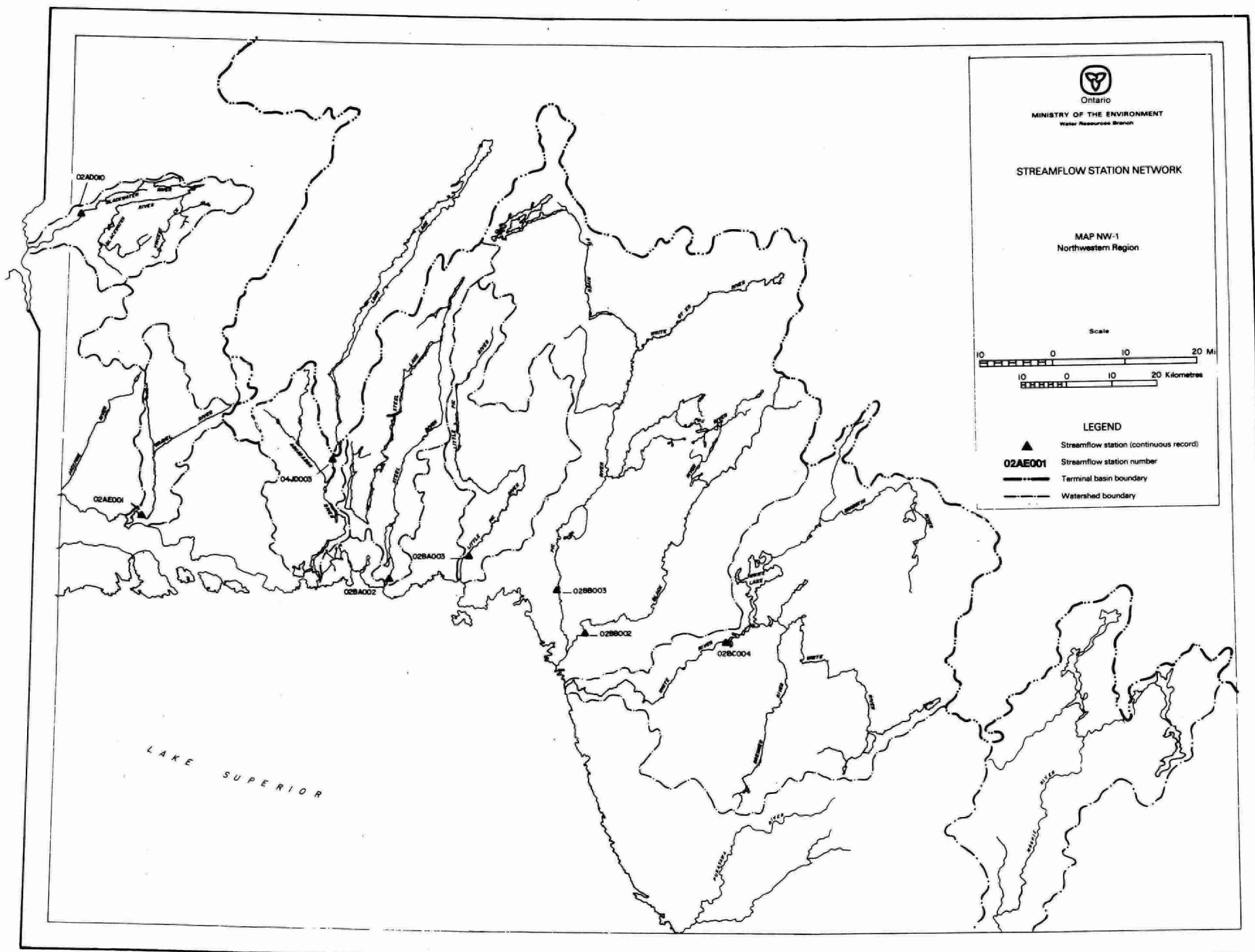




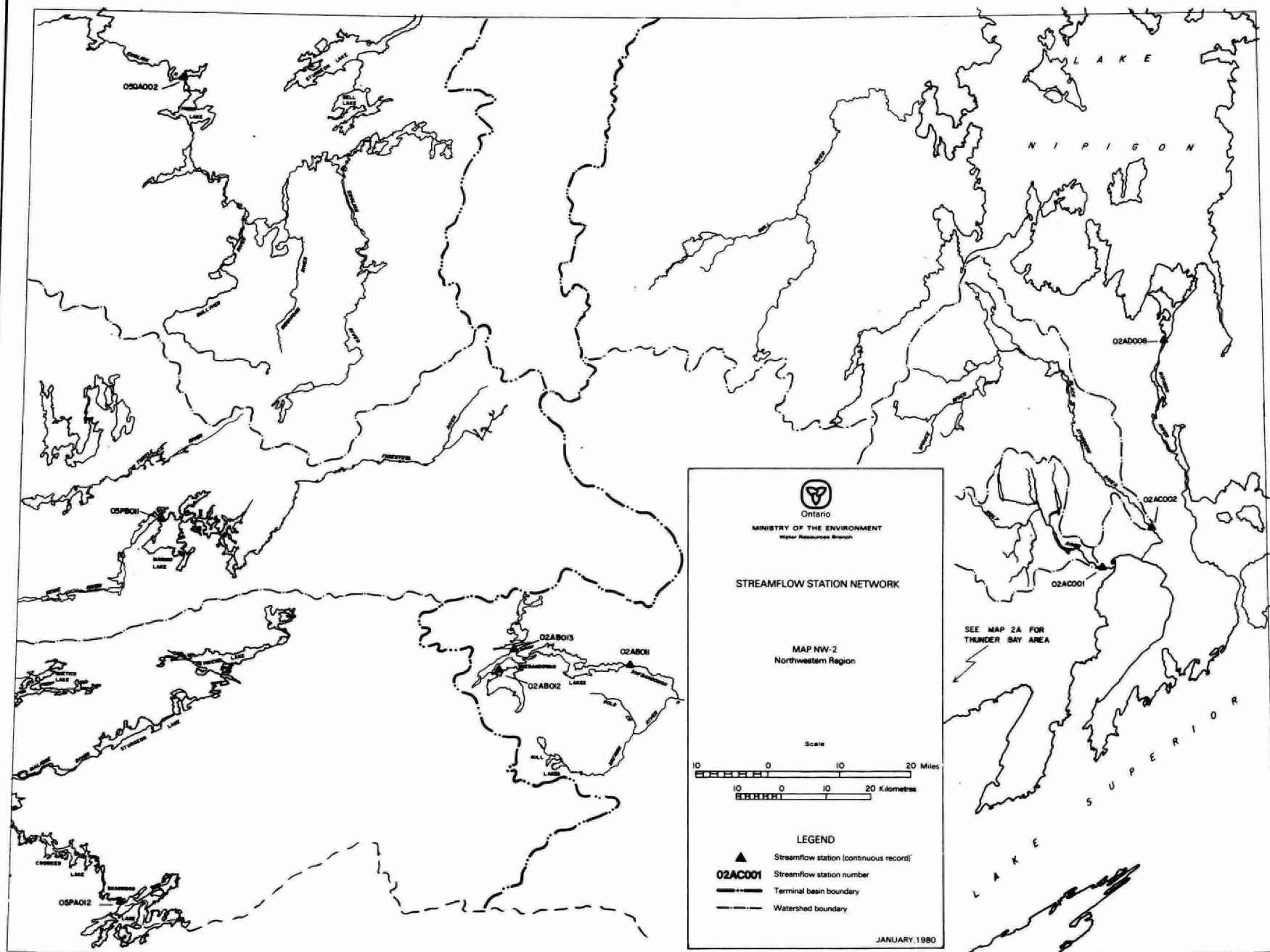




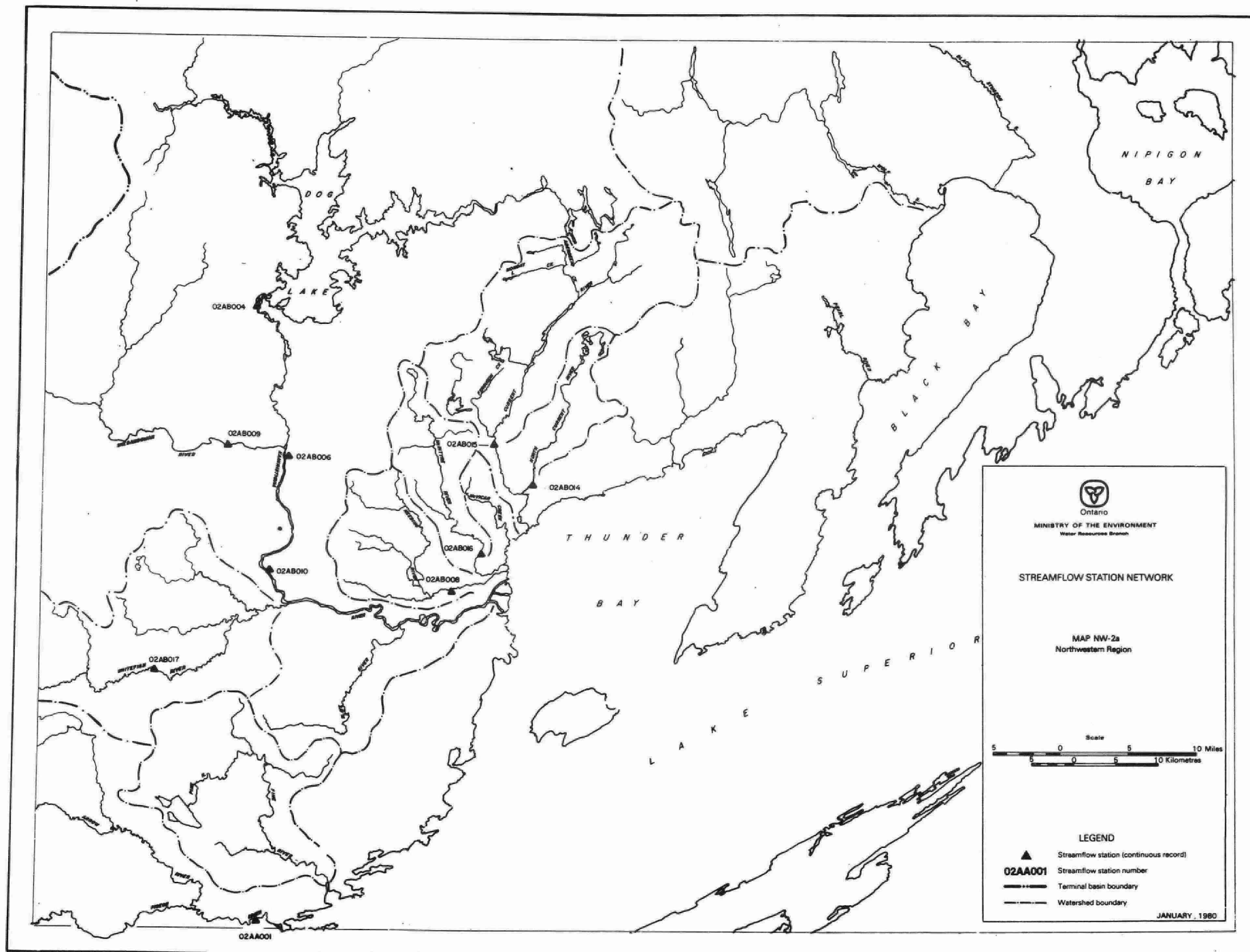




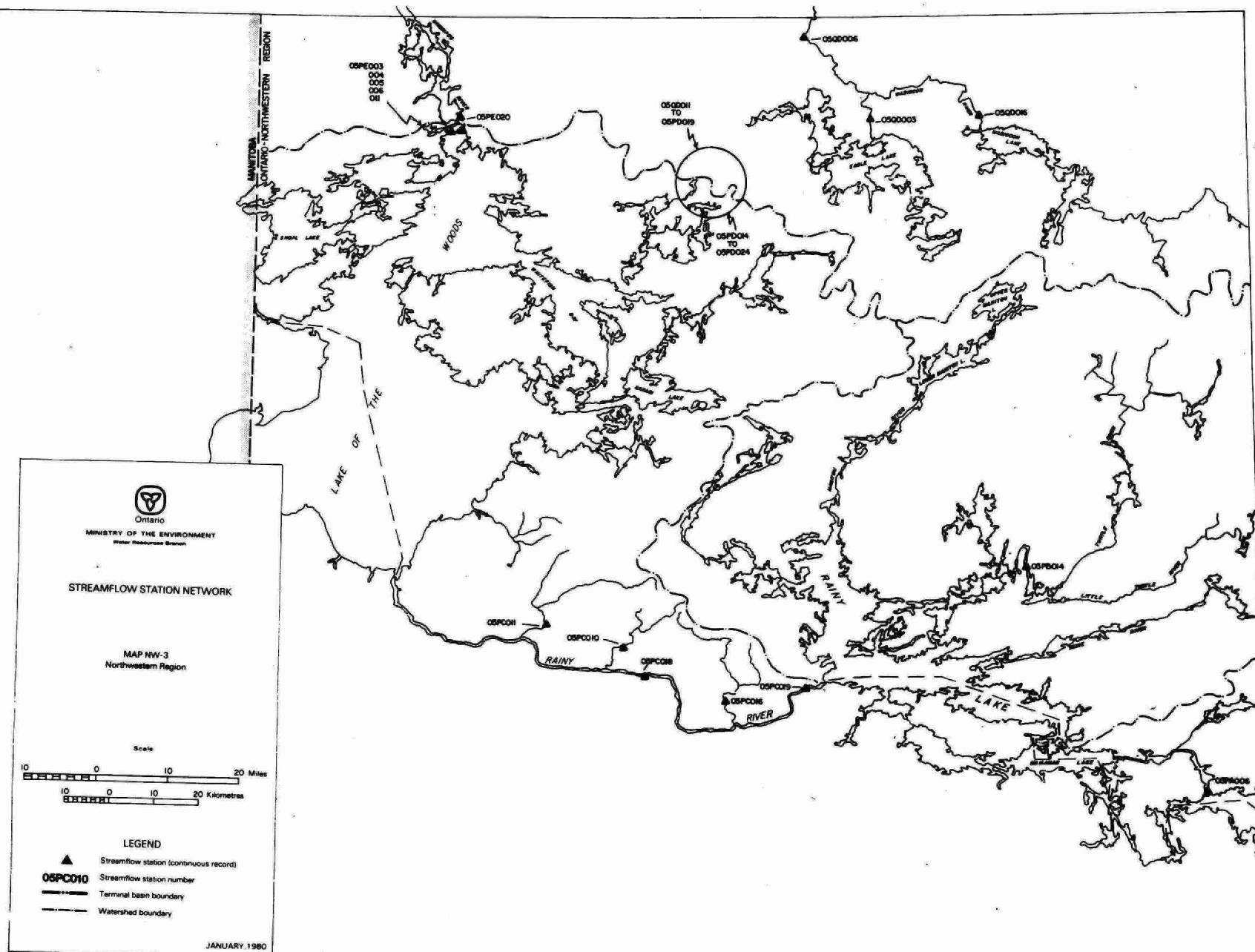




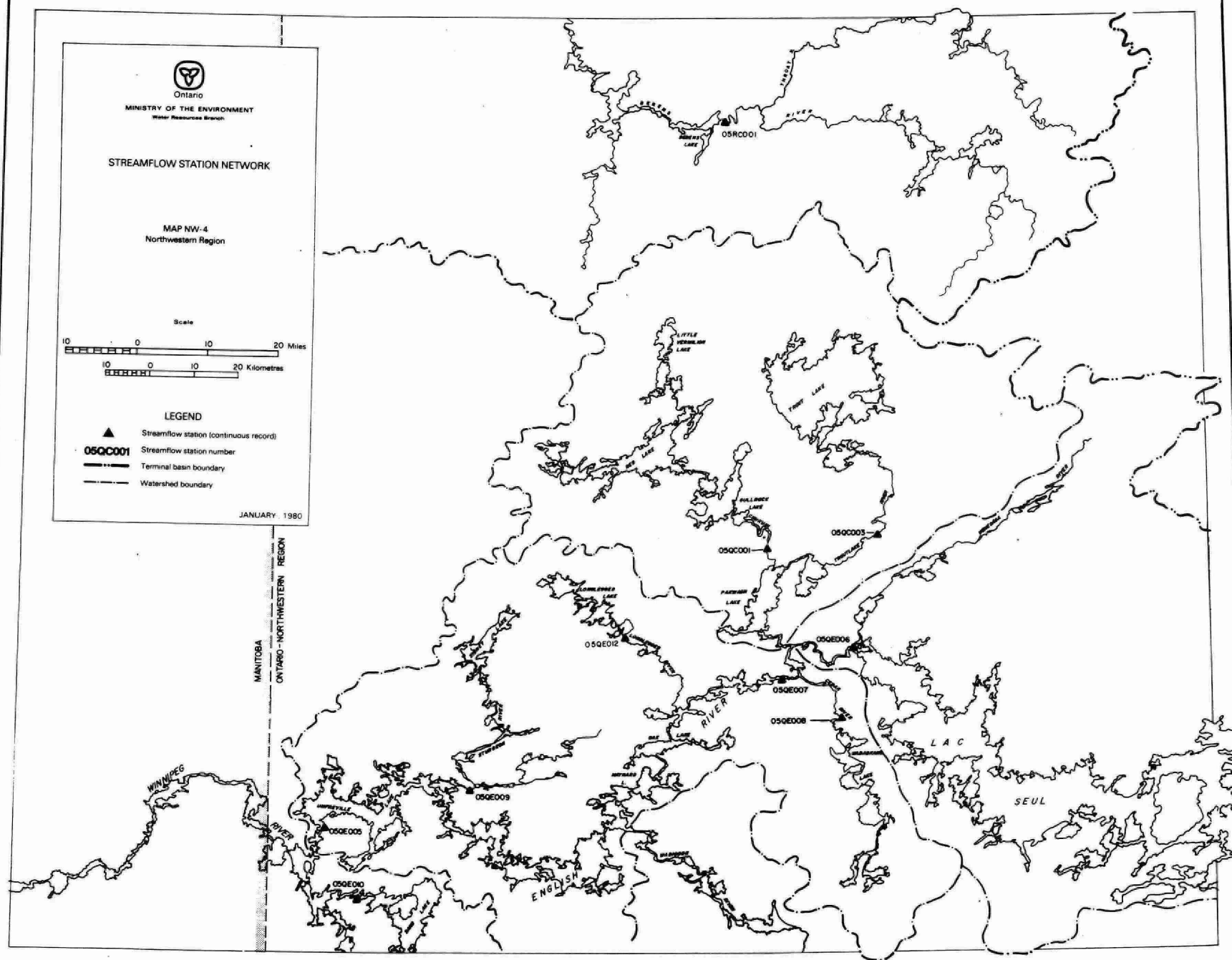




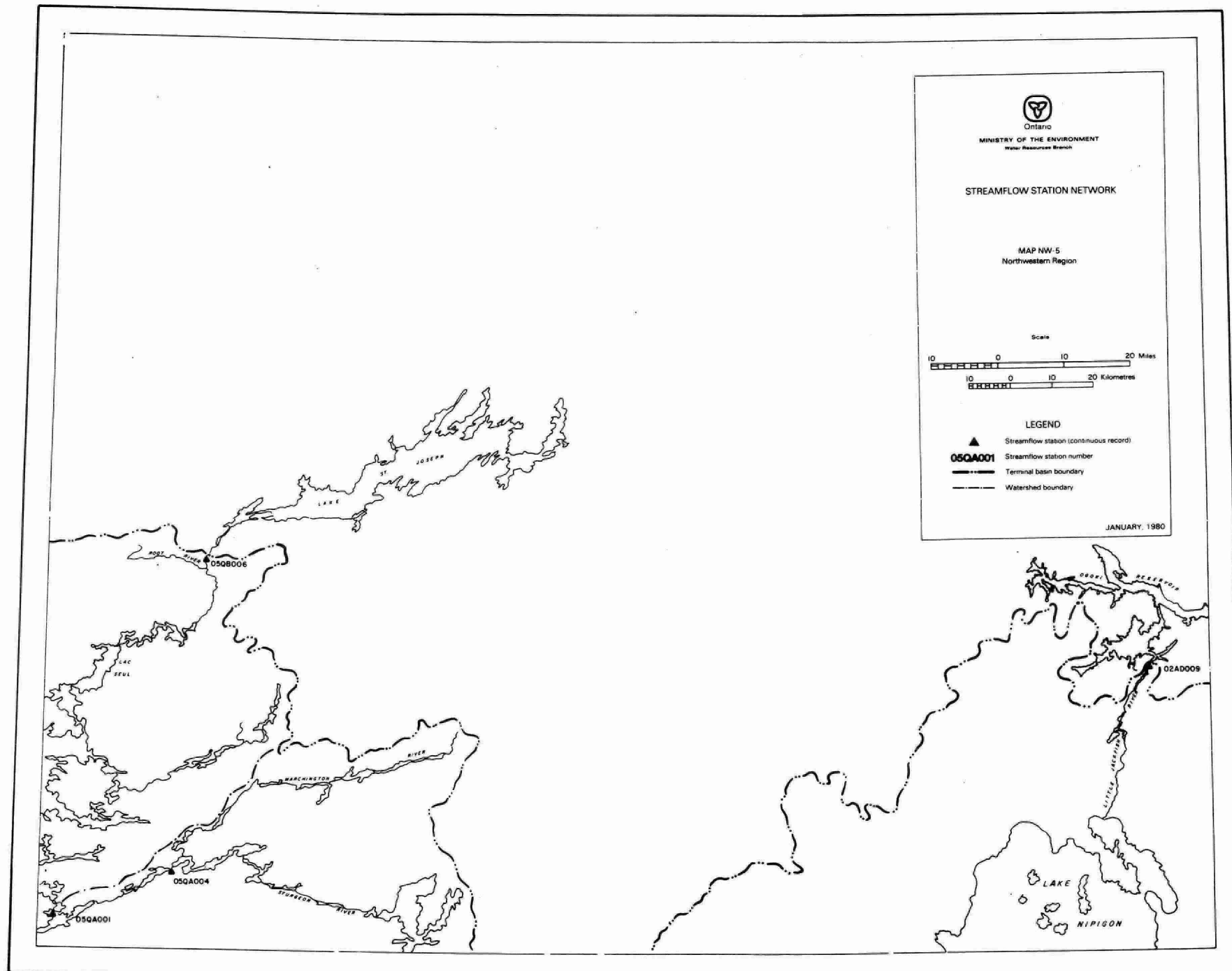












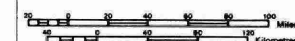


MINISTRY OF THE ENVIRONMENT  
Water Resources Branch

#### STREAMFLOW STATION NETWORK

Hudson Bay Drainage Basin

1140



LEGEND

▲ Streamflow station (continuous record)

04HA001 Streamflow station number

Terminal basin boundary

Watershed boundary

JANUARY 1980





\*96936000009407\*